

Case 3330***Nectarinia senegalensis cruentata* Rüppell, 1845 (Aves, Passeriformes):
proposed conservation of the subspecific name**

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Abstract. The purpose of this application, under Article 23.9.3 of the Code, is to conserve the subspecific name *Nectarinia senegalensis cruentata* Rüppell, 1845 for the Ethiopian, SE-Sudanese and Eritrean population of the scarlet-chested sunbird, originally proposed as *Nectarinia cruentata*. The senior objective synonym *Cinnyris proteus* Rüppell, 1840 has not been used since its first publication except in synonymy. It is proposed that the name *cruentata* Rüppell, 1845 be conserved by suppression of *proteus* Rüppell, 1840.

Keywords. Nomenclature; taxonomy; NECTARINIIDAE; *Nectarinia*; *Nectarinia senegalensis cruentata*; *Cinnyris proteus*; sunbirds; Ethiopia; Southeast Sudan; Eritrea.

1. Rüppell described the same species of sunbird twice, in 1840 and in 1845. Rüppell (1840, p. 91 and a footnote on p. 91) proposed by indication a new specific name *Cinnyris proteus* for a sunbird illustrated by Le Vaillant (1808, pp. 165–167, pl. 295, fig. 2) under the name ‘Le Sucrier Protée’ (Le Vaillant’s names of birds were not latinized binomens; the name on the plate reads ‘Protte’). In his paper Rüppell (1840, p. 91) gave a reference to Le Vaillant’s name ‘Le Sucrier Protée’, which he latinized as *Cinnyris proteus*, thereby providing a valid scientific name (Indications – Articles 12.2.1 and 12.2.7). In addition, in the first footnote on p. 91 he described his own specimens of *Cinnyris proteus* on the assumption that they belonged to the same taxon as the bird described by Le Vaillant. However, the bird described by Le Vaillant had previously been named by Linnaeus (1766, p. 186) as *Certhia senegalensis* and is now considered to be a different subspecies to the one described by Rüppell (1840, p. 91).

2. Later, Rüppell (1845, pp. 26–27, pl. 9) established the name *Nectarinia cruentata* based on the same material (this time with no reference to Le Vaillant’s specimens) indicating that his species is apparently different from *Nectarinia senegalensis* (Linnaeus, 1766) illustrated by Le Vaillant as ‘Le Sucrier Protée’.

3. Rüppell’s (1845) description of *Nectarinia cruentata* contains citations from his description of *Cinnyris proteus* published in 1840, positively suggesting that it is indeed the same taxon. Bonaparte (1850, p. 406) was the first to recognize this fact and synonymized *Cinnyris proteus* with *Nectarinia cruentata*, not, however, acknowledging priority.

4. *Nectarinia cruentata* Rüppell, 1845 is treated in modern taxonomy as a subspecies of *Nectarinia senegalensis* (Linnaeus, 1766), first published in this combination by Neumann (1906, pp. 252, 254).

5. To the author's knowledge nobody since its first publication has used the senior synonym *Cinnyris proteus* Rüppell, 1840, which precedes the name *Nectarinia cruentata* Rüppell, 1845, except in synonymy. Therefore the conditions of Article 23.9.1.1 (Reversal of Precedence) of the Code are met (see Rüppell, 1845, p. 26; Murs & Prévost, 1847, p. 87; Ferret & Galinier, 1850, p. 248; Bonaparte, 1850, p. 406; Brehm, 1863, p. 211; Heuglin, 1864, p. 262; Blanford, 1868, p. 284; Heuglin, 1869, p. 228; Finsch, 1870, p. 229; Blanford, 1870, p. 352; Salvadori, 1873, p. 450; Shelley, 1878, p. 259; Gadow, 1884, p. 93; Salvadori, 1884, p. 125; Hartert, 1891, p. 30; Shelley, 1900, p. 100; Reichenow, 1904–1905, p. 462; Neumann, 1906, p. 252; Hilgert, 1908, p. 146; Salvadori, 1916, p. 11; Moltoni, 1937, p. 250; Moltoni, 1939, p. 36; Steinbacher, 1949, p. 116; Cave & Macdonald, 1955, p. 353; Smith, 1957, p. 328; Toschi, 1959, p. 399; Mackworth-Præd & Grant, 1960, p. 795; Rand, 1967, p. 234; Wolters, 1979, p. 278; Nikolaus, 1987, p. 250; Lewis & Pomeroy, 1989, p. 495; Howard & Moore, 1991, p. 425; Clements, 2000, p. 547; Fry et al., 2000, p. 194; Cheke & Mann, 2001, p. 236; Dickinson, 2003, p. 707).

5. However, the conditions of Article 23.9.1.2 of the Code are not met. *Zoological Record* from 1955 to 2004 does not list any publication which cited the particular subspecies of the scarlet-chested sunbird. Only general and local check-lists of the Ethiopian/North Kenyan avifauna and the monograph of Cheke & Mann (2001) offer such detail. The limited use of the name *cruentata* in the preceding 50 years does not allow its automatic conservation under the provisions of the Code.

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary power to suppress the name *proteus* Rüppell, 1840, as published in the binomen *Cinnyris proteus*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(2) to place the name *cruentata* Rüppell, 1845, as published in the binomen *Nectarinia cruentata*, on the Official List of Specific Names in Zoology;

(3) to place the name *proteus* Rüppell, 1840, as published in the binomen *Cinnyris proteus* and as suppressed in (1) above, on the Official Index of Rejected and Invalid Specific Names in Zoology.

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References

- Blanford, W.T. 1868. Notes on a journey in Northern Abyssinia. *Proceedings of the Asiatic Society of Bengal*, 37: 276–287.
- Blanford, W.T. 1870. *Observations on the Geology and Zoology of Abyssinia, made during the progress of the British Expedition to that country in 1867–68*. 12, 487 pp., 7 pls. Macmillan and Co., London.
- Bonaparte, C.L. 1850. *Conspectus Generum Avium*, vol. 1. Pp. 105–543. E. J. Brill, Lugdunum, Batavorum.

- Brehm, A.E.** 1863. *Ergebnisse einer Reise nach Habesch im Gefolge seiner Hoheit des regierenden Herzogs von Sachsen-Koburg-Gotha Ernst II.* 439 pp. Otto Meissner, Hamburg.
- Cave, F.O. & Macdonald, J.D.** 1955. *Birds of the Sudan – their identification and distribution.* 27, 444 pp., 12 pls. Oliver & Boyd, Edinburgh. London.
- Cheke, R.A. & Mann, C.F.** 2001. *Subbirds – a guide to the subbirds, flowerpeckers, spiderhunters and sugarbirds of the world.* 384 pp., 48 pls. Christopher Helm / A. & C. Black Publishers, London.
- Clements, J.F.** 2000. *Birds of the World—A Checklist.* 5th edition. 867 pp. Pica Press, Robertsbridge, Sussex.
- Dickinson, E.C. (Ed.)** 2003. *The Howard & Moore complete checklist of the birds of the world.* 3rd edition. 1039 pp. Christopher Helm, London.
- Ferret, P.V.A. & Galinier, J.G.** 1850. Énumération des Oiseaux recueillis en Abyssinie. Pp. 173–256 in Ferret, P.V.A., Galinier, J.G., Guérin-Méneville, F.E., Reiche, L. & Raffeneau-Delile, A. (Eds.), *Voyage en Abyssinie, dans les provinces du Tigré, du Samen et de l'Amhara dédié AS. A.R. Monseigneur le Duc de Nemours*, vol. 3. 536 pp. Paulin, Paris.
- Finsch, O.** 1870. On a collection of birds from North-Eastern Abyssinia and the Bogos Country—with notes by the collector, William Jesse, C.M.Z.S., Zoologist to the Abyssinian Expedition. *Transactions of the Zoological Society of London.* 7(4): 197–331.
- Fry, C.H., Keith, S. & Urban, E.K. (Eds.)** 2000. *The Birds of Africa*, vol. 6 [Picathartes to Oxpickers]. 724 pp., 36 pls. Academic Press, London.
- Gadow, H.** 1884. *Catalogue of the Passeriformes, or Perching Birds, in the collection of the British Museum—Cimyrinorphae: containing the families Nectariniidae and Meliphagidae (Sun-Birds and Honey-Eaters)*, vol. 9. 12, 310 pp., 7 pls. British Museum, London.
- Hartert, E.** 1891. *Katalog der Vogelsammlung im Museum der Senckenbergischen Naturforschenden Gesellschaft in Frankfurt am Main.* 22, 259 pp. Gebrüder Knauer, Frankfurt am Main.
- Heuglin, M.Th. von.** 1864. Ornithologische Miscellen aus Central-Africa. *Journal für Ornithologie*, 12(4): 241–276.
- Heuglin, M.Th. von.** 1869. *Ornithologie Nordost-Afrika's, der Nilquellen- und Küsten-Gebiete des Rothen Meeres und des nördlichen Somal-Landes*, vol. 1 (1/2). 108. 851 pp., 26 pls. Theodor Fischer, Kassel.
- Hilgert, C.** 1908. *Katalog der Collection von Erlanger in Nieder-Ingelheim a. Rh.* 7, 527 pp., 1 pl. Verlag von R. Friedländer & Sohn, Berlin.
- Howard, R. & Moore, A.** 1991. *A Complete Checklist of the Birds of the World*, 2nd edition. 622 pp. Academic Press, London.
- Linnaeus, C.** 1766. *Systema Naturae*, Ed. 12. Vol. 1, part 1. 532 pp. Salvii, Holmiae.
- Lewis, A. & Pomeroy, D.** 1989. *A Bird Atlas of Kenya.* 15, 620 pp., 18 pls., 1 map. A.A. Balkema, Rotterdam.
- Mackworth-Praed, C.W. & Grant, C.H.B.** 1960. *Birds of Eastern and North Eastern Africa*, 2nd edition, vol. 2. [4], 1113 pp., 46, 19 pls. Longmans, Green and Co. Ltd., London.
- Moltoni, E.** 1937. Gli uccelli Eritrei esistenti nelle Collezioni del Museo Civico di Milano. *Atti della Società Italiana di Scienze Naturali*, 76: 211–254.
- Moltoni, E.** 1939. *Aves*, vol. 2(1). Pp. 4–39, 1 pl. Missione Biologica nel paese die Borana Raccolte zoologiche, Roma.
- Murs, O. des & Prévost, F.** 1847. Partie Oiseaux. Pp. 41–174, Appendix 160–182, 184–185 in Murs, O. des, Prévost, F., Guichenot, A. & Guérin-Méneville, F.E. *Notes de Zoologie*, vol. 6. Lefebvre, Ch.Th. (Ed.). *Voyage en Abyssinie exécuté pendant les Années 1839, 1840, 1841, 1842, 1843 par une Commission scientifique composée de MM. Théophile Lefebvre, Lieutenant de Vaisseau, Chevalier de la Légion d'honneur A. Petit et Martin-Dillon, Docteurs-Médecins, Naturalistes du Muséum Vignaud, Dessinateur Publié par ordre du Gouvernement sous les Auspices de M. le Ministre de la Marine.* 398 pp. Arthus Bertrand, Paris.
- Neumann, O.** 1906. Vögel von Schoa und Süd Äthiopien. *Journal für Ornithologie*, 54(2): 229–300.

- Nikolaus, G.** 1987. Distribution Atlas of Sudan's Birds with Notes on Habitat and Status. *Bonner Zoologische Monographien*, vol. 25. 322 pp. Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn.
- Rand, A.L.** 1967. Family Nectariniidae, Sunbirds. Pp. 208–289 in Paynter, R.A. & Mayr, E. (Eds.). *Check-List of Birds of the World*, vol. 12. 495 pp. Museum of Comparative Zoology, Cambridge, Mass.
- Reichenow, A.** 1904–1905. *Die Vögel Afrikas*, vol. 3. 880 pp. J. Neumann, Neudamm.
- Rüppell, E.** 1840. *Neue Wirbelthiere zu der Fauna von Abyssinien gehörig, entdeckt und beschrieben – Vögel.*, 2. Pp. 81–116, 31–42 pls. Siegmund Schmerber, Frankfurt am Main.
- Rüppell, E.** 1845. *Systematische Uebersicht der Vögel Nord-Ost-Afrika's nebst Abbildungen und Beschreibungen von fünfzig theils unbekannt, theils noch nicht bildlich dargestellten Arten.* 8, 140 pp., 50 pls. Schmerber'sche Buchhandlung, Frankfurt am Main.
- Salvadori, T.** 1873. Viaggio dei Signori A. Antinori, O. Beccari ed A. Issel nel Mar Rosso, nel Territorio dei Bogos e Regioni Circostanti durante gli Anni 1870–71—Catalogo degli Uccelli. *Annali del Museo Civico di Storia Naturale di Genova*, 4: 366–520.
- Salvadori, T.** 1884. *Uccelli dello Scioa e della regione fra zeila e lo Scioa. Spedizione Italiana nell' Africa Equatoriale—Risultati Zoologici.* 268 pp. Istituto Sordo-Muti, Genova.
- Salvadori, T.** 1916. Notizie storiche intorno alla collezione ornithologica del Museo Torino. *Memorie della (Reale) Accademia delle Scienze di Torino*, ser. 2, 65(5): 1–50.
- Shelley, G.E.** 1878. *A Monograph of the Nectariniidae or Family of Sun-Birds.* [1876–1880]. 383 pp., 121 pls. Captain G. E. Shelley, London.
- Shelley, G.E.** 1900. *The Birds of Africa—comprising all the species which occur in the Ethiopian region.* vol. 2. 7, 348 pp., 14 pls. R.H. Porter, London.
- Smith, K.D.** 1957. An annotated check list of the birds of Eritrea. *The Ibis*, 99(1): 1–26.
- Steinbacher, J.** 1949. Typen und Typoide des Natur-Museums Senckenberg. 3—Kritisches Verzeichnis von Eduard Rüppell's und Ph. J. Cretzschmar's Vogel-Typen. *Senckenbergiana*, 30(1/3): 99–120.
- Toschi, A.** 1959. Contributo alla Ornitofauna d'Etiopia—1. Uccelli raccolti ed osservati in Abissinia dal 1939 al 1942. *Laboratorio di Zoologia Applicata alla Caccia Università di Bologna—Suppl. alle Ricerche di Zoologie Applicata alla Caccia*, 2(11): 301–412.
- Vaillant, F. Le.** 1808. *Histoire naturelle des Oiseaux d'Afrique*, vol. 6. 188 pp. Delachaussee, Paris.
- Wolters, H.E.** 1979. *Die Vogelarten der Erde—Eine systematische Liste mit Verbreitungsangaben sowie deutschen und englischen Namen*, Lief. 4. Pp. 241–320. Paul Parey, Hamburg, Berlin.

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